

### Amendments of the Claims:

A detailed listing of all claims in the application is presented below. This listing of claims will replace all prior versions, and listings, of claims in the application. All claims being currently amended are submitted with markings to indicate the changes that have been made relative to immediate prior version of the claims. The changes in any amended claim are being shown by strikethrough (for deleted matter) or underlined (for added matter).

1. (Cancelled)
2. (Cancelled)
3. (Currently Amended) The inhalation device according to claim 102, wherein the memory medium is an active or passive memory medium.
4. (Currently Amended) The inhalation device according to claim 102, wherein the memory medium is a FlashCard, SmartCard or SmartLabel memory medium.
5. (Currently Amended) The inhalation device according to claim 10, wherein the means for providing individual patient parameters and/or aerosol parameters for the inhalation further comprises a modem.
6. (Currently Amended) The inhalation device according to claim 10, wherein the means for providing individual patient parameters and/or aerosol parameters for the inhalation further comprises input means for manually inputting individual parameters.
7. (Cancelled)
8. (Currently Amended) The inhalation device according to claim 102, wherein the memory medium stores the breathing maneuvers carried out.
9. (Currently Amended) The inhalation device according to claim 10, wherein the ~~means for providing individual patient parameters and/or aerosol parameters for the~~

~~inhalation~~ memory medium ~~is~~ are provided with manually operable control units and/or switches.

10. (Currently Amended) A device for the controlled inhalation of therapeutic aerosols during breathing maneuvers comprising:

means for providing individual patient parameters and/or aerosol parameters for the inhalation comprising a memory medium, wherein the individual patient parameters and/or aerosol parameters are stored on the memory medium before the inhalation; and

adjusting means for adjusting individual aerosol doses on the basis of the predetermined individual patient parameters and/or aerosol parameters by adjusting a respiratory flow and/or a tidal volume of the inhalation device, wherein the adjusting means for adjusting the individual aerosol doses reads out the individual patient parameters and/or aerosol parameters for the inhalation from the means for providing individual patient parameters and/or aerosol parameters for the inhalation, evaluates them and, on the basis thereof, adjusts the respiratory flow and the tidal volume of the inhalation device.

11. (Previously presented) Use of the inhalation device according to claim 10 for inhaling medicinal agents that become effective topically in the respiratory system or systemically comprising the steps of:

providing individual patient parameters and/or aerosol parameters for the inhalation;  
and

adjusting individual aerosol doses on the basis of the predetermined individual patient parameters and/or aerosol parameters.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Previously presented) The device of claim 14, wherein the memory medium also stores the breathing maneuvers carried out.

16. (Currently Amended) The device of claim 18, wherein the input mechanism further comprises~~includes~~ a modem.

17. (Currently Amended) The device of claim 18, wherein the input mechanism further comprises ~~includes~~ manual control units.

18. (Currently Amended) A device for the controlled inhalation of therapeutic aerosols during breathing maneuvers comprising:

an input mechanism that supports inputs into the device of individual patient parameters and/or aerosol parameters for the inhalation, wherein the input mechanism comprises a memory medium, wherein the individual patient parameters and/or aerosol parameters for the inhalation are stored by the memory medium before inhalation; and

an adjustment mechanism that adjusts individual aerosol doses administered by the device on the basis of the predetermined individual patient parameters and/or aerosol parameters by adjusting a respiratory flow and/or a tidal volume of the inhalation device, wherein the adjustment mechanism accesses the individual patient parameters and/or aerosol parameters for the inhalation through the input mechanism; evaluates them; and, on the basis thereof, adjusts respiratory flow and tidal ~~title~~ volume of the inhalation device.

19. (Cancelled)

20. (Cancelled)

21. (Currently Amended) The method of claim ~~25~~20, wherein the individual patient parameters and/or aerosol parameters are stored on the memory medium.

22. (Previously presented) The method of claim 21, wherein the memory medium also stores breathing maneuvers carried out.
23. (Currently Amended) The method of claim 25, wherein the step of inputting further comprises the substep of ~~includes~~ receiving individual patient parameters and/or aerosol parameters for the inhalation through a modem.
24. (Currently Amended) The method of claim 25, wherein the step of inputting further comprises the substep of ~~includes~~ manually inputting the individual patient parameters and/or aerosol parameters for the inhalation.
25. (Currently Amended) A method for the controlled inhalation of therapeutic aerosols during breathing maneuvers comprising the steps of:
- inputting into a device individual patient parameters and/or aerosol parameters for the inhalation, comprising the substeps of inserting a memory medium into the device and storing the individual patient parameters and/or aerosol parameters for the inhalation on the memory medium before inhalation; and
- adjusting individual aerosol doses administered by the device on the basis of the predetermined individual patient parameters and/or aerosol parameters by adjusting a respiratory flow and/or a tidal volume of the inhalation device, wherein the step of adjusting includes evaluating the individual patient parameters and/or aerosol parameters for the inhalation and, on the basis thereof, adjusting respiratory flow and tidal~~title~~ volume of the inhalation device.
26. (New) The device of claim 10, wherein the adjusting means comprises at least one valve.
27. (New) The device of claim 18, wherein the adjusting mechanism comprises at least one valve.
28. (New) The method of claim 25, wherein the step of adjusting is accomplished using at least one valve.